

# STIC Search Report Biotech-Chem Library

### STIC Database Tracking vice

TO: Nita M Minnifield

Location: rem/3C01/3C18

Art Unit: 1645

Tuesday, January 03, 2006

Case Serial Number: 10/613749

From: Toby Port

**Location: Biotech-Chem Library** 

**REM-1A59** 

Phone: 571-272-2523

toby.port@uspto.gov

#### Search Notes

**Examiner Minnifield,** 

See attached results.

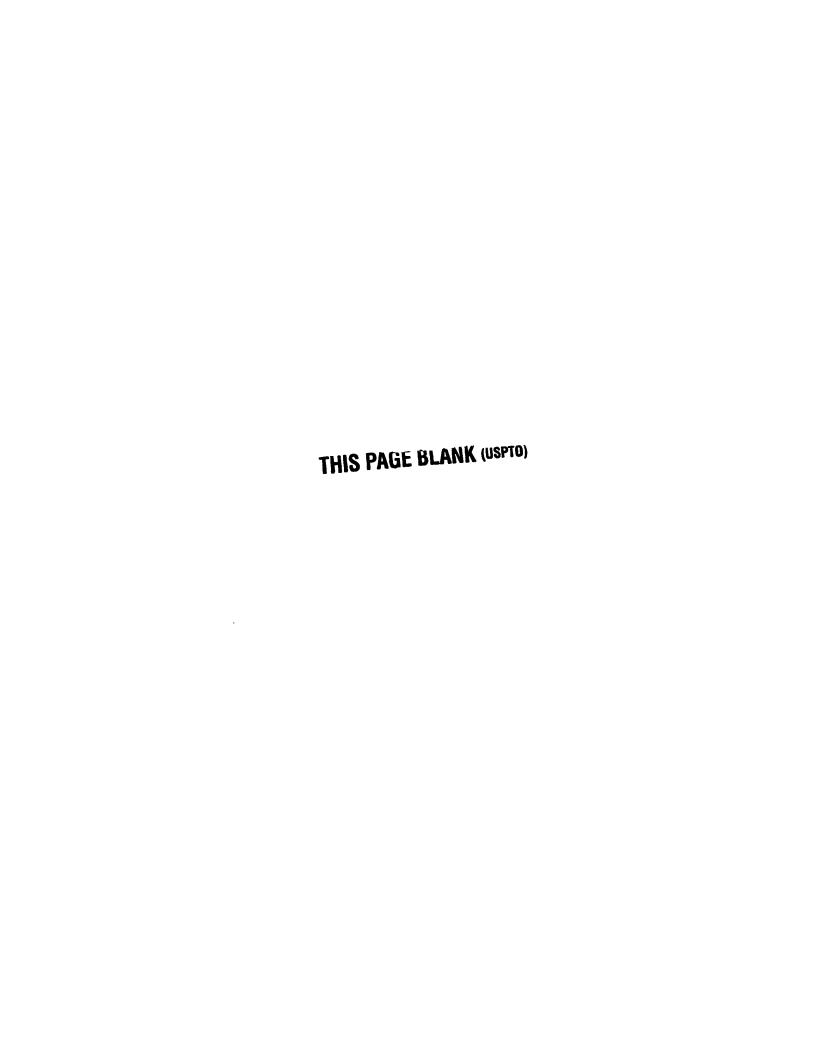
If you have any questions about this search feel free to contact me at any time.

Thank you for using STIC search services!

Toby Port X22523







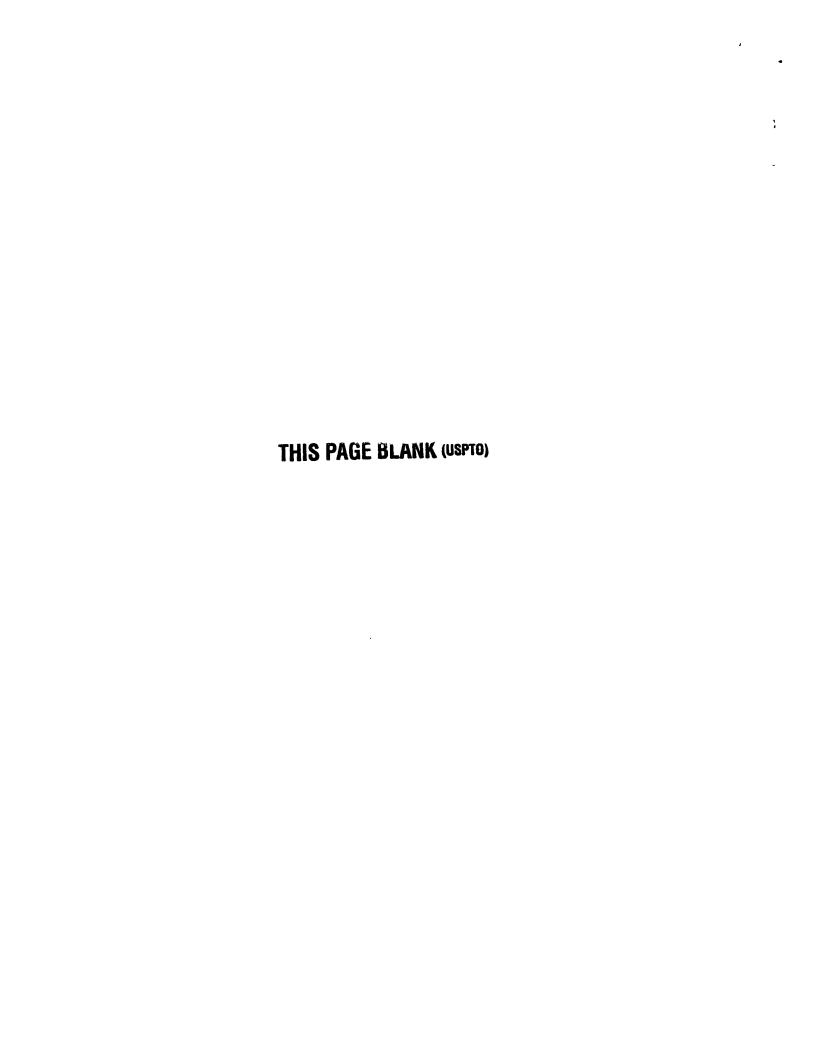
#### STIC-Biotech/ChemLib Chan, Christina From: Thursday, December 29, 2005 1:01 PM Sent: To: Minnifield, Nita; STIC-Biotech/ChemLib Subject: RE: rush interference sequence search Importance: High Please rush: Thanks Chris Chris Chan TC 1600 New Hire Training Coordinator and SPE 1644 (571)-272-0841 Remsen, 3E89 -----Original Message-----Minnifield, Nita Wednesday, December 28, 2005 12:38 PM Sent: To: Chan, Christina rush interference sequence search Subject: Christina, please approve, 2 month amdt. STIC 10/613749 Please do an interference sequence search on the following sequences found in the above application SEQ ID NO: 1 Please show results of the first 30 hits. Please provide a paper copy of all results. \*\*\*\*\*\*\*\*

Searcher:
Searcher Phone:
Date Searcher Picked up:
Date completed:
Searcher Prep Time:
Online Time:

Type of Search

NA#\_\_\_\_\_ AA#:\_\_\_\_\_
S/L:\_\_\_ Oligomer:\_\_\_\_\_
Encode/Transl:\_\_\_\_\_
Structure #:\_\_\_\_ Text:\_\_\_\_
Inventor:\_\_\_\_\_ Litigation:\_\_\_\_

Vendors and cost where applicable STN:
DIALOG:
QUESTEL/ORBIT:
LEXIS/NEXIS:
SEQUENCE SYSTEM:
WWW/Internet:
Other (Specify):



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Sequence 224, App
Sequence 270, App
Sequence 271, App
Sequence 4789, Ap
Sequence 4789, Ap
Sequence 4790, Ap
Sequence 19849, A
Sequence 19850, A
Sequence 244, Appli
Sequence 244, Appli
Sequence 7, Appli
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Sequence 13854, A
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Sequence 1
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                                                                               December 30, 2005, 20:15:24; Search time 494 Seconds
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1: /cgn2_6/ptodata/1/pubpna/USO7_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
4: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
6: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
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9: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/USO8_PUBCOMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-816-220-148

US-10-816-220-224

US-10-644-052A-270

US-10-644-052A-270

US-10-363-345A-4789

US-10-363-345A-4789

US-10-363-345A-4789

US-10-363-345A-19849

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US-10-363-345A-13853

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### ALIGNMENTS

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Sequence 148, Application US/10816220
Sequence 148, Application WS/20040235770A1
Publication No. US20040235770A1
GENERAL INFORMATION:
APPLICANT: Davis, Heather L
APPLICANT: McCluskie, Michael J
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID OIL-IN-WATER FORMULATIONS AND
TITLE OF INVENTION: RELATED METHODS OF USE
FILE REFRENCE: C1037.70039US01
CURRENT APPLICATION NUMBER: US/10/816,220
CURRENT FILING DATE: 2004-04-01
PRIOR APPLICATION NUMBER: US 60/459,920
PRIOR PILING DATE: 2003-04-02
PRIOR FILING DATE: 2003-04-02
PRIOR FILING DATE: 2003-04-03
NUMBER OF SEQ ID NOS: 434
| Sequence | Application US/10613749 | Publication No. US20040067905A1 | Publication NUTURE OF INVERTION NUTURE CONTINUE CONTINUE COURT | PILE REPRESENT APPLICATION NUMBER: US/10/613,749 | CURRENT PILING DATE: 2003-07-03 | NUMBER OF SEQ ID NOS: 18 | Seq ID NO 1 | SEQ ID N
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Best Local Similarity 100.
Matches 24; Conservative
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US-10-816-220-148
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APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Mankin, Robert
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACIDS
FILE REFERENCE: C1037,70048US00
CURRENT APPLICATION NUMBER: US/10/644,052A
CURRENT FILING DATE: 2003-08-19
PRIOR PILING DATE: 2002-08-19
PRIOR FILING DATE: 2002-08-19
PRIOR FILING DATE: 2002-11-27
PRIOR FILING DATE: 2002-11-27
PRIOR FILING DATE: 2002-11-27
PRIOR FILING DATE: 2003-11-4
PRIOR FILING DATE: 2003-11-4
PRIOR FILING DATE: 2003-11-4
NUMBER OF SEQ ID NOS: 388
SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                 FEATURE:
; OTHER INFORMATION: Synthetic Oligodeoxynucleotide US-10-644-052A-36
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US-10-644-052A-270
PRIOR APPLICATION NUMBER: US 60/429,701
PRIOR FILING DATE: 2002-11-27
PRIOR PELLING DATE: 2003-02-14
PRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 388
SOFURARE: Patentin version 3.2
SEQ ID NO 36
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 270, Application US/10644052A
Publication No. US20050059619A1
GRNERAL INFORMATION:
APPLICANT: Krieg, Arthur M
APPLICANT: Samulowitz, Ulrike
APPLICANT: Vollmer, Joeen
APPLICANT: Unimer, Joeen
APPLICANT: Uhlmer, Joe
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APPLICANT: Samulowitz, Ulrike
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Matches 24; Conservative
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Publication No. US20040235770A1

GENERAL INFORMATION:

APPLICANT: Davis, Heather I

APPLICANT: Davis, Heather I

TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID OIL-IN-WATER FORMULATIONS AND FILES OF INVENTION: RELATED METHODS OF USE

FILE REFERENCE: C1037.70039US01

CURRENT APPLICATION NUMBER: US/10/816,220

CURRENT APPLICATION NUMBER: US 60/45,920

PRIOR APPLICATION NUMBER: US 60/45,920

PRIOR PILING DATE: 2003-04-02

PRIOR FILING DATE: 2003-04-10

NUMBER OF SEQ ID NOS: 434

SEQ ID NO 224

LENGTH: 24
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APPLICANT: Samulowitz, Ulrike
APPLICANT: Vollmer, Joerg
APPLICANT: Ullmern, Eugen
APPLICANT: Ullmenn, Eugen
APPLICANT: Lipford, Grayeon
APPLICANT: Nomer: Robert
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACIDS
FILE REFERENCE: C1037.70048US00
CURRENT APPLICATION NUMBER: US 60/404,479
PRIOR APPLICATION NUMBER: US 60/404,479
PRIOR APPLICATION NUMBER: US 60/404,820
PRIOR PILING DATE: 2002-08-19
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US-10-816-220-224
                                                                                                                                        ; OTHER INFORMATION: Oligonucleotide US-10-816-220-148
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Best Local Similarity 100.0%;
Matches 24; Conservative 0
  SOFTWARE: PatentIn version 3.2
SEQ ID NO 148
LENGTH: 24
                                                                                                 ORGANISM: Artificial Sequence FEATURE:
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APPLICANT: Christian Plepenbrock
APPLICANT: Christian Plepenbrock
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
FILE REFERENCE: E01/1227
CURRENT PILING DATE: 2003-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 4790
LENGTH-
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APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
TITLE OF INVENTION: illnesses
FILE REPERENCE: 82011
CURRENT APPLICATION NUMBER: US/10/363,483A
CURRENT PILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 4789
LENGTH: 619
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Publication No. US20050064401A1
GENERAL INPORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
TITLE OF INVENTION: Diagnosis of illnesses
FILE REFERENCE: 82011
CURRENT PRELIGN DATE: 2003-03
NUMBER OF SEQ ID NOS: 40712
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US-10-363-345A-4790
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US-10-363-483A-4789
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ORGANISM: Artificial Sequence
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Sequence 4789, Application US/10363345A
Publication No. US20040234960A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
FILER REFERENCE: BOX/1227
CURRENT PILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
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US-10-363-345A-4789
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                                                                                                                                                           APPLICANT: ULK, MATION
APPLICANT: Lipford, Grayeon
APPLICANT: Lipford, Grayeon
APPLICANT: Lipford, Grayeon
APPLICANT: Rankin, Robert
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACIDS
TILLE REFERENCE: C1037.70048US00
CURRENT APPLICATION NUMBER: US/10/644,052A
CURRENT FILING DATE: 2003-08-19
PRIOR PILING DATE: 2002-08-19
PRIOR PILING DATE: 2002-08-19
PRIOR PILING DATE: 2002-08-19
PRIOR PILING DATE: 2002-18-19
PRIOR PILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: US 60/429,701
PRIOR PILING DATE: 2002-11-27
PRIOR PILING DATE: 2003-11-27
PRIOR PILING DATE: 2003-11-47
PRIOR PILING DATE: 2003-13-18
NUMBER OF SEQ ID NOS: 388
SOFTWARE: PATENTIN VEVESION 3.2
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US-10-644-052A-271
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LENGTH: 619
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LENGTH: 24
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APPLICANT:
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US-10-363-483A-19849

Sequence 19849, Application US/10363483A

Sequence 19849, Application US/10363483A

Publication No. US20050064401A1

GENERAL INFORMATION:
APPLICANT: Alexander Olek

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
TITLE OF INVENTION: 11lnesses

TITLE OF INVENTION: 11lnesses

CURRENT APPLICATION NUMBER: US/10/363,483A

CURRENT PILING DATE: 2003-03-03

NUMBER OF SEQ ID NOS: 40712

SEQ ID NO 19849
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Sequence 19850.

Bublication No. US20050064401A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Plepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain

TITLE OF INVENTION: 111nesses

FILE REPERENCE: 82011;

CURRENT APPLICATION NUMBER: US/10/363,483A

CURRENT FILING DATE: 2003-03-03

NUMBER OF SEQ ID NOS: 40712

SEQ ID NO 19850
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US-10-363-483A-19850
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CTHER INFORMATION: chemically treated genomic DNA (Homo sapiens); OTHER INFORMATION: CpG-island No: 19849
US-10-363-483A-19849
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Score 24; DB 8; Length 734;
Pred. No. 1.4;
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Best Local Similarity 100.0%;
Matches 24; Conservative 0
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Publication No. US20040234960A1
GENERAL INFORMATION
APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Wurk Berlin
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: Oytosines in genomic DNA in the sequence context of 5'-CpG-3
FILE REPERENCE: BL0/1227
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 19850
LENGTH: 734
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US-10-363-345A-19849

Sequence 19849, Application US/10363345A

Sequence 19849, Application US/2036A1

Sequence 19849, Application Wo. US2040234960A1

GENERAL INFORMATION:
APPLICANT: Christelan Plepenbrock
APPLICANT: Christelan Plepenbrock
TITLE OF INVENTION: Cytosines in genomic DNA in the sequence context of 5'-CpG-3
TITLE OF INVENTION: Cytosines in genomic DNA in the sequence context of 5'-CpG-3
CURRENT APPLICANTON NUMBER: US/10/363,345A

CURRENT FILING DATE: 2003-03-03

NUMBER OF SEQ ID NOS: 40712

LENGTH: 734
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US-10-363-345A-19850
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US-10-363-345A-19849
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                                                            TYPE: DNA
CRGANISM: Artificial Sequence
PRATURE:
CTHER INFORMATION: Chemically treated genomic DNA (Homo sapiens)
CTHER INFORMATION: CpG-island No: 4790
US-10-363-483A-4790
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100.0%; Score 24; DB 8; Length 734;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 24; Conservative 0; Mismatches 0; Indels
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             SEQ ID NO 4790
LENGTH: 619
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Sequence 13853, Application US/10363345A
Sequence 13853, Application No. USZ0040234960A1
GENERAL INFORMATION:
APPLICANT: Alexander Olek
APPLICANT: Christian Plepenbrock
APPLICANT: Kurt Berlin
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
TITLE OF INVENTION: Cytosines in genomic DNA in the sequence context of 5'-CpG-3;
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT APPLICATION NUMBER: US/10/363,345A
SEQUENCE OF SEQUENCE: 1203-03
NUMBER OF SEQUENCE: 1203-03
NUMBER OF SEQUENCE: 1203-03
NUMBER OF SEQUENCE: 1203-03
                                                                        Sequence 12, Application US/10613749
Fublication No. US20040067905A1
Fublication No. US20040067905A1
Fublication No. US20040067905A1
FUBLICANT: KRIEG, ATTHUR
FILE REFERENCE: CO1.037.70041.US
CURRENT APPLICANT APPLICANT NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES
CURRENT APPLICANT APPLICANT NUMBER: US/10/613,749
CURRENT PILING DATE: 2003-07-03
NUMBER OF SEQ ID NOS: 18
SEQ ID NO 12
SEQ ID NO 12
LENGTH: 23
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US-10-613-749-12
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APPLICANT: APPLICANT: Christian Piepenbrock
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA ORGANISM: Artificial sequence
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; LOCATION: (685, 688, 1146)
US-10-363-345A-13853
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                                                              US-10-613-749-12
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Genemoc 244, Application US/10240453

Squence 244, Application US/10240453

Squence 244, Application US/10240453

Publication No. US20030448326A1

GENERAL INFORMATION:

APPLICANT: DETERMANCK, Christian

APPLICANT: BERENANCK, Christian

APPLICANT: BERENANCK, Christian

APPLICANT: BERENANCK, Christian

TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA

TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA

TITLE OF INVENTION: Diagnosis of Assessing the Methylation Status of Genes Associated

TITLE OF INVENTION: With DNA TRANSCription

TITLE OF INVENTION: With DNA TRANSCription

FILE OF INVENTION: DATE: 2002-10-02

PRIOR APPLICATION NUMBER: DE 10019173.8

PRIOR FILING DATE: 2000-04-06

PRIOR PILING DATE: 2000-04-07

PRIOR PILING DATE: 2000-04-07

PRIOR PILING DATE: 2000-04-07

PRIOR APPLICATION NUMBER: DE 10043826.1

PRIOR PILING DATE: 2000-06-30

PRIOR APPLICATION NUMBER: DE 10043826.1

PRIOR APPLICATION NUMBER: DE 10043826.1
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Publication No. US20040067905A1
GRNERAL INFORMATION:
APPLICANT: KRIEG, ARTHUR
TITLE OF INVENTION: NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES FILE REFERENCE: C01037.70041.US
CURRENT APPLICATION NUMBER: US/10/613,749
CURRENT FILING DATE: 2003-07-03
NUMBER OF SEQ ID NOS: 18
SOFTWARE: Patentin version 3.2
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100.0%; Score 24; DB 6; Length 6167;
Best Local Similarity 100.0%; Pred. No. 1.5;
Matches 24; Conservative 0; Mismatches 0; Indels (
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Best Local Similarity 100.0%; Pred. No. 3.1;
Matches 23; Conservative 0; Mismatches
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; OTHER INFORMATION: Oligodeoxynucleotide
US-10-613-749-7
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ORGANISM: Artificial sequence
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; LOCATION: (957, 1009, 1039)
US-10-240-453-244
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APPLICANT: Davis, Heather L
APPLICANT: Davis, Heather L
APPLICANT: Davis, Heather L
APPLICANT: Davis, Heather L
APPLICANT: McCluskie, Michael J
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID OIL-IN-WATER FORMULATIONS AND
TITLE OF INVENTION: RELATED METHODS OF USE
FILE REFERENCE: C1037,70039US01
CURRENT APPLICATION NUMBER: US 60/459,920
PRIOR PLILING DATE: 2003-04-01
PRIOR PLILING DATE: 2003-04-02
PRIOR PLILING DATE: 2003-04-10
NUMBER OF SEQ ID NOS: 434
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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Publication No. US20040053880A1
GENERAL INFORMATION:
APPLICANT: KRIEG, ARTHUR M
TITLE OF INVENTION: NUCLEIC ACID COMPOSITIONS FOR STIMULATING IMMUNE RESPONSES
FILE REFERENCE: C01077.70043.US
CURRENT APPLICATION UNMER: US/10/613,739
CURRENT FILING DATE: 2003-07-03
NUMBER OF SEQ ID NOS: 74
SOFTWARE: Patentin version 3.2
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Best Local Similarity 95.8%; Pred. No. 5.6;
Matches 23; Conservative 0; Mismatches 1;
  FILE REFERENCE: 82011
CURRENT APPLICATION NUMBER: US/10/363,483A
CURRENT FILING DATE: 2003-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 13854
LENGTH: 1291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    OTHER INFORMATION: Oligodeoxynucleotide US-10-613-739-1
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                                                                                                                                                                   TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                   ; LOCATION: (146, 604, 607)
US-10-363-483A-13854
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LENGTH: 24
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APPLICANT: Kurt Berlin
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: Optosines in genomic DNA in the sequence context of 5'-CpG-3
CURRENT PELLE REPRENCE: E01/1227
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT PILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
LENGTH: 1291
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APPLICANT: Kurt Berlin
TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
TITLE OF INVENTION: illnesses
FILE REPERSINE: 82011
CURRENT APPLICATION NUMBER: US/10/363,483A
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
SEQ ID NO 13633
LENGTH: 1291
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US-10-363-463A-13854/c
US-10-363-463A-13854/c
| Sequence 13854, Application US/10363483A
| Sequence 13854, Application US/10363483A
| GENERAL INFORMATION:
| APPLICANT: Alexander Olek
| APPLICANT: Christian Piepenbrock
| APPLICANT: Kurt Berlin
| TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain
| TITLE OF INVENTION: illnesses
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3.7;
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// Publication No. US20050064401A1
// GENERAL INFORMATION:
// APPLICANT: Alexander Olek
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; LOCATION: (685, 688, 1146)
US-10-363-483A-13853
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; NAMES/KEY: unBure
; LOCATION: (146, 604, 607)
US-10-363-345A-13854
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US-10-363-483A-13853
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APPLICANT: Unlmann, Eugen
APPLICANT: Unlmann, Eugen
APPLICANT: Unlmann, Eugen
APPLICANT: Unipord, Grayson
APPLICANT: Rankin, Robert
TITILE OF INVENTION: IMMOSTIMULATORY NUCLEIC ACIDS
FILE REFERENCE: CLO37.700480500
CURRENT APPLICATION NUMBER: US/10/644,052A
CURRENT FILING DATE: 2003-08-19
FRIOR APPLICATION NUMBER: US 60/404,479
FRIOR APPLICATION NUMBER: US 60/404,820
FRIOR APPLICATION NUMBER: US 60/404,820
FRIOR APPLICATION NUMBER: US 60/404,377
FRIOR FILING DATE: 2002-10-27
FRIOR FILING DATE: 2002-11-27
FRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 388
SOFTWARE: PACENTION NUMBER: US 60/447,377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Synthetic Oligodeoxynucleotide
US-10-644-052A-259
                                                                                                                                                                                                                  ) OTHER INFORMATION: Synthetic Oligodeoxynucleotide US-10-644-052A-37
                                                                                                                                                                                                                                                                                  Score 22.4; DB 9;
Pred. No. 5.6;
0; Mismatches 1;
PRIOR APPLICATION NUMBER: US 60/447,377
PRIOR FILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 388
SOFTWARE: Patentin version 3.2
SEQ ID NO 37
LENGTH: 24
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Publication No. U320050059619A1
GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M
APPLICANT: Samulowitz, Ulrike
APPLICANT: Vollmer, Joerg
APPLICANT: Unlmarn, Bugen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-644-052A-259
Sequence 259, Application US/10644052A
Publication No. US20050059619A1
GENERAL INFORMATION:
                                                                                                                                                                   ORGANISM: Artificial sequence PEATURE:
                                                                                                                                                                                                                                                                                    Query Match
93.3%;
Best Local Similarity 95.8%;
Matches 23; Conservative
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APPLICANT: Samulowitz, Ulrike
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Artificial sequence
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Best Local Similarity
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SEQ ID NO 259
                                                                                                                                                 TYPE: DNA
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APPLICANT: Davis, Heather L
APPLICANT: Davis, Heather L
APPLICANT: McCluskie, Michael J
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLRIC ACID OIL-IN-WATER FORMULATIONS AND
TITLE OF INVENTION: RELATED METHODS OF USB
FILE REFERENCE: C1037.70039US01
CURRENT APPLICATION NUMBER: US/10/816,220
CURRENT FILING DATE: 2004-04-01
PRIOR FILING DATE: 2003-04-02
PRIOR FILING DATE: 2003-04-10
NUMBER OF SEQ ID NOS: 434
SOFTWARE: PALENTION DATE: 2003-04-10
NUMBER OF SEQ ID NOS: 434
SSEQ ID NO 225
LENGTH: 24
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Pred. No. 5.6;
0; Mismatches 1; Indels
                                                                                                                                                                     Score 22.4; DB 8; Length 24;
Pred. No. 5.6;
0; Mismatches 1; Indels
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APPLICANT: Samulowitz, Ulrike
APPLICANT: Samulowitz, Ulrike
APPLICANT: Vollmer, Joerg
APPLICANT: Unimann, Eugen
APPLICANT: Unimann, Eugen
APPLICANT: Jurk, Marion
APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Lipford, Grayson
APPLICANT: Sankin, Robert
TILE OF INVENTION: IMMUNOSTIMULATORY NUCLBIC ACIDS
FILE REFRENCE: C103.700480180
CURRENT APPLICATION NUMBER: US 60/404,479
PRIOR PLLING DATE: 2002-08-19
PRIOR PLLING DATE: 2002-08-19
PRIOR FLLING DATE: 2002-08-19
PRIOR PLLING DATE: 2002-08-19
PRIOR PLLING DATE: 2002-08-19
PRIOR PLLING DATE: 2002-08-19
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                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 225, Application US/10816220 Publication No. US20040235770A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Oligonucleotide US-10-816-220-225
                                                                                                CTHER INFORMATION: Oligonucleotide US-10-816-220-150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
Best Local Similarity 95.8%;
Matches 23; Conservative C
    LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                     Query Match 93.3%;
Best Local Similarity 95.8%;
Matches 23; Conservative (
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ORGANISM: Artificial Sequence
                                                                               FEATURE:
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GENERAL INFORMATION
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Sequence 5395, Application US/10363345A
Publication No. US20040234960Al GENERAL INFORMATION:

APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Rutt Berlin
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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; LOCATION: (73, 99, 110, 127, 132, 176, 235, 252, 262, 272, 480)
US-10-363-345A-5395
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93.3%; Score 22.4; DB 8; Length 578;
Best Local Similarity 95.8%; Pred. No. 6.3;
Matches 23; Conservative 0; Mismatches 1; Indels
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                    APPLICANT: ULIFORGY GRAPHS
APPLICANT: LIPEORGY GRAPHS
APPLICANT: RANKIN, ROBERT
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACIDS
FILE REPERENCE: C103770040US0
CURRENT APPLICATION NUMBER: US 60/404,052A
CURRENT FILING DATE: 2003-08-19
PRIOR FILING DATE: 2002-08-19
PRIOR FILING DATE: 2002-08-19
PRIOR PLICATION NUMBER: US 60/404,820
PRIOR FILING DATE: 2002-19-19
PRIOR PLILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: US 60/447,377
PRIOR PILING DATE: 2003-02-14
NUMBER OF SEQ ID NOS: 388
SOFTWARR: PAECELIN VERSION 3.2
LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Synthetic Oligodeoxynucleotide
US-10-644-052A-260
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Jurk, Marion
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-363-345A-5395
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US-10-363-345A-5396/c ; Sequence 5396, Application US/10363345A ; Publication No. US20040234960A1

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APPLICANT: Alexander Olek
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
APPLICANT: Christian Piepenbrock
TITLE OF INVENTION: Method for determining the degree of methylation of defined
TITLE OF INVENTION: cytosines in genomic DNA in the sequence context of 5'-CpG-3
FILE REPERENCE: BOJ1/122
CURRENT APPLICATION NUMBER: US/10/363,345A
CURRENT PILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 40712
LENGTH: 578
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US-10-363-483A-5395

Sequence 5395, Application US/10363483A

Publication No. US20050064401A1

GENERAL INFORMATION:

APPLICANT: Alexander Olek

APPLICANT: Christian Fiepenbrock

APPLICANT: Kurt Berlin

TITLE OF INVENTION: Diagnosis of illnesses or predisposition to certain

TITLE OF INVENTION: 11lnesses

FILE REFERENCE: 82011

CURRENT APPLICATION NUMBER: US/10/363,483A

CURRENT PILING DATE: 2003-03-03

NUMBER OF SEQ ID NOS: 40712

SEQ ID NO 5395

LENGTH: 578
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                                                                                                                                                                                                                                                                                                                                                              FEATURE:
OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
OTHER INFORMATION: CpG-island No: 5396
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; NAME/KEY: unsure
; LOCATION: (99, 307, 317, 327, 344, 403, 447, 452, 469, 480, 506)
US-10-363-345A-5396
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; LOCATION: (73, 99, 110, 127, 132, 176, 235, 252, 262, 272, 480)
US-10-363-483A-5395
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95.8%; Pred. No. 6.3;
tive 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 93.3%; Score 22.4; DB 9; Best Local Similarity 95.8%; Pred. No. 6.3; Matches 23; Conservative 0; Mismatches 1;
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Job time : 496 secs
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 95.8<sup>3</sup>
Matches 23; Conservative
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4, Appli 26, Appl 71590, A 685, App

Sequence Sequence Sequence

13422, A 54, Appl 68, Appl 68, Appl 417, App

Sequence 3 Sequence 4 Sequence 2 Sequence 2 Sequence 6 Sequence 7 Sequence 1 Sequence 5 Sequence 6 Sequence 7 Sequence 6 Sequence 6 Sequence 6 Sequence 7 Sequence 6 Sequence 7 Sequence 7 Sequence 6 Sequence 7 Sequence 6 Sequence 7 Sequence 6 Sequence 6

Sequence 8493, Ap Sequence 64, Appl Sequence 68, Appl Sequence 3071, Ap Sequence 3077, Ap

AL IGNMENTS

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Sequence 8, Application US/10835475
; Publication No. US20050244410A1
; GENERAL INFORMATION:
; APPLICANT: Centocor. Inc.
; TITLE OF INVENTION:
; TILLE REFERENCE: CEN5022 USNP
; CURRENT APPLICATION NUMBER: US/10/835,475
; CURRENT FILING DATE: 2004-04-29
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: Patentin version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 22, Application US/10497591A
; Sequence 22, Application US/10497591A
; Publication NO. US2050250716A1
; GENERAL INFORMATION:
; APPLICANT: SCHMIDT, WALTER
; APPLICANT: BCHELLACK, CAROLA
; APPLICANT: BCHELLACK, CAROLA
; APPLICANT: LINGNAU, KAREN
; TITLE OF INVENTION: IMMUNOSTIMULATORY OLIGODEOXYNUCLEOTIDES
; FILE REFERENCE: SONN: 045105
; CURRENT FILING DATE: 2004-06-03
; PRIOR PILING DATE: 2002-12-05
; PRIOR PILING DATE: 2002-12-05
; PRIOR PILING DATE: 2001-12-07
; PRIOR FILING DATE: 2001-12-07
US-11-127-654-398

US-11-127-654-332

US-10-127-654-333

US-11-127-654-854

US-10-240-708-4

US-10-240-708-4

US-10-995-561-71590

US-10-995-561-71590

US-10-995-561-71590

US-10-240-708-708-708-17

US-10-240-708-68

US-11-178-086-63

US-10-240-708-68

US-11-178-086-63

US-11-178-086-63

US-11-178-086-63

US-11-178-086-18

US-11-178-654-417

US-10-240-708-68

US-11-127-654-861

US-11-127-654-861
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Pred. No. 1.2;
0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 91.7%;
Matches 22; Conservative
    TYPE: DNA ORGANISM: Artificial
    JS-10-835-475-8
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15.8
15.2
15.2
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LENGTH: 24
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Sequence 238, Appl
Sequence 294, Appl
Sequence 294, Appl
Sequence 341, Appl
Sequence 347, Appl
Sequence 399, Appl
Sequence 922, Appl
Sequence 285, Appl
Sequence 26, Appl
Sequence 5, Appl
Sequence 5, Appl
Sequence 26, Appl
Sequence 34, Appl
Sequence 26, Appl
Sequence 37, Appl
Sequence 26, Appl
Sequence 26, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 37, Appl
Sequence 25, Appl
Sequence 25, Appl
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Sequence 22, Appl
Sequence 8, Appli
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                                                                                                        December 30, 2005, 20:18:40 ; Search time 188 Seconds (without alignments) 66.923 Million cell updates/sec
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Published Applications NA New:*

1: /cgn2 6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
2: /cgn2_6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/DST NEW PUB.seq:*
5: /cgn2_6/ptodata/1/pubpna/USO8 NEW PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/USO1 NEW PUB.seq:*
7: /cgn2_6/ptodata/1/pubpna/USO1 NEW PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/USO1 NEW PUB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO1 NEW PUB.seq:*
9: /cgn2_6/ptodata/1/pubpna/USO1 NEW PUB.seq:*
10: /cgn2_6/ptodata/1/pubpna/USO6_NEW_PUB.seq:*
                    GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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US-10-497-591A-22

US-10-619-279-46

US-11-127-654-238

US-11-127-654-294

US-11-127-654-294

US-11-127-654-343

US-11-127-654-343

US-11-127-654-343

US-11-127-654-343

US-11-127-654-399

US-11-127-654-399

US-11-127-654-859

US-11-127-654-859

US-11-161-344-5

US-11-161-344-5

US-11-161-365-364-862

US-11-127-654-862

US-11-127-654-862

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US-11-127-654-862

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Maximum Match 100%
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Gapop 10.0 , Gapext 1.0
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Maximum DB seq length: 200000000
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24
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                                                                                OM nucleic
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                                                                                                                                                                                                      Sequence:
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No.
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Gaps

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Length 24; Indela

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sequence 239, Application US/11127654

publication No. US20050250726A1

general information:
    APPLICANT: Krieg, Arthur M.
    APPLICANT: Berg, Daniel J.
    TITLE OF INVENTION: INFILMATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC TITLE OF INVENTION: INFILMATORY DISEASES
    FILE REPERENCE: C1039.70060US01
    CURRENT APPLICATION NUMBER: US/11/127,654
    CURRENT FILING DATE: 2005-05-12
    PRIOR FILING DATE: 2002-03-29
    PRIOR FILING DATE: 2002-03-29
    NUMBER OF SEQ ID NOS: 1040
    SOFTMARR: Batentin version 3.2
    LENGTH: 24

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Publication No. US2005025072641

GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.

APPLICANT: Berg, Daniel J.

TITLE OF INVENTION: INFLAMMATORY DISEASES

FILE REFERENCE: C1039.70060US01

CURRENT APPLICATION NUMBER: US/11/127,654

FILE REPERENCE: 2002-03-29

PRIOR APPLICATION NUMBER: US 10/112,653

PRIOR APPLICATION NUMBER: US 60/279,642

PRIOR APPLICATION NUMBER: US 60/279,642

PRIOR APPLICATION NUMBER: US 60/279,642

PRIOR PILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 1040

SOFTWARE: PATENTIN Version 3.2
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Best Local Similarity 91.7%; Pred. No. 1.2;
Matches 22; Conservative 0; Mismatches 2;
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ORGANISM: Artificial sequence
FEATURE:
FORTURE:
JOTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-238
                                                                                                  ; OTHER INFORMATION: Synthetic Oligonucleotide US-10-619-279-46
                                                                                                                                                                                                                                                                             1 TCGTCGTTTCGTCGTT 24
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                         TYPE: DNA
ORGANISM: Artificial Sequence
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US-11-127-654-238
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LENGTH: 24
       LENGTH: 24
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                                                                                                                                                                        OTHER INFORMATION: Description of Artificial Sequence: Synthetic primer US-10-497-591A-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-619-279-46

US-10-619-279-46

US-10-619-279-46

Sequence 46. Application US/10619279

Publication No. US20050267057A1

GENERAL INFORMATION:
APPLICANT KAIGE, Atthur M.

ITTLE OF INVENTION: Immunostimulatory Nucleic Acid Molecules
FILE REPERENCE: C1039/7023/HCL
CURRENT PELLON NUMBER: US/10,619,279

CURRENT FILING DATE: 2003-07-14

PRIOR APPLICATION NUMBER: US 08/960,774

PRIOR FILING DATE: 1997-10-30

PRIOR FILING DATE: 1997-10-30

PRIOR FILING DATE: 1995-10-30

PRIOR FILING DATE: 1995-02-07

PRIOR FILING DATE: 1995-02-07

PRIOR FILING DATE: 1995-02-07

PRIOR FILING DATE: 1994-07-15

NUMBER OF SEQ ID NOS: 123

SOFTWARE: FastSEQ for Windows Version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 86.7%; Score 20.8; DB 6; Length 24; Best Local Similarity 91.7%; Pred. No. 1.2; Matches 22; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 91.7%; Pred. No. 1.2;
Matches 22; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SQUENCE 8, Application US/10469561
| Publication No. US20050260216A1
| GENERAL INFORMATION:
| APPLICANT: Claire Ashman
| APPLICANT: Claire Ashman
| APPLICANT: James Scott Crowe
| APPLICANT: Jonathan Henry Ellis
| APPLICANT: JONATHAN WARENCE: US/10/469,561
| CURRENT PILING DATE: 2003-08-29
| SOFTWARE: PastSEQ for Windows Version 4.0
| SERO ID NOS: 24
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                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 113
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 22
LENGTH: 24
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Sequence 341, Application US/11127654

Sequence 341, Application US/11127654

Publication No. US20050250726A1

GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
APPLICANT: Krieg, Arthur M.
TITLE OF INVENTION: INFLAMMATORY DISEASES
TITLE OF INVENTION: INFLAMMATORY DISEASES
TITLE OF INVENTION: INFLAMMATORY DISEASES
FILE REPERENCE: C1039.70060US01

CURRENT PELING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US 10/112,653
PRIOR APPLICATION NUMBER: US 60/279,642

PRIOR APPLICATION NUMBER: US 60/279,642

PRIOR PILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 1040

SOFTWARE: PatentIn version 3.2

SEQ ID NO 341

LENGTH: 24
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APPLICANT: Berg, Daniel J.
IITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 20.8; DB 7; Length 24;
Pred. No. 1.2;
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Sequence 343, Application US/11127654

; Publication No. US20050250726A1

; GENERAL INFORMATION:
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Best Local Similarity 91.7%;
Matches 22; Conservative
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Best Local Similarity 91.7%;
Matches 22; Conservative
                                                                                                                                                                                                                                          NAME/KEY: modified base;
LOCATION: (21)...(21)
COTHER INFORMATION: m5c
US-11-127-654-294
                                                                               NAME/KEY: modified base
LOCATION: (5)..(5)
OTHER INFORMATION: m5c
                                                                                                                                            FEATURE:
NAME/KEY: modified base
LOCATION: (13)..(13)
OTHER INFORMATION: m5c
  modified_base
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                           LOCATION: (2)..(2)

THER INFORMATION: m5c
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APPLICANT: Krieg, Arthur M.
APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMUNOSTHULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC
TITLE OF INVENTION: INFLAMMATORY DISEASES
FILE REFERENCE: C1039.70060US01
CURRENT APPLICATION NUMBER: US/11/127,654
CURRENT PELLING DATE: 2002-05-12
PRIOR APPLICATION NUMBER: US 10/112,653
PRIOR FILING DATE: 2002-03-29
PRIOR FILING DATE: 2002-03-29
PRIOR FILING DATE: 2001-03-29
SPRIOR PILING DATE: 2001-03-29
SUGTWARE: PatentIn version 3.2
SEQ ID NOS: 1040
SOFTWARE: PatentIn version 3.2
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                                                                                     Length 24;
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                                                                                   Score 20.8; DB 7;
Pred. No. 1.2;
0; Mismatches 2;
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OTHER INFORMATION: Synthetic oligonucleotide
PERTURE:
; FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-253
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                                                                                                                                                                     CGTCGTT 24
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Publication No. US20050250726A1
GENERAL INFORMATION:
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                                                                                   Query Match 86.7%;
Best Local Similarity 91.7%;
Matches 22; Conservative
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Best Local Similarity
Matches 22; Conserv
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USCULL 127-654-399

i Sequence 399, Application US/11127654

j Publication vo. US2050250726A1

i GENERAL INFORMATION:

i APPLICANT: Rere, Arthur M.

i APPLICANT: Berg, Daniel J.

i TITLE OF INVENTION: INFUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC TITLE OF INVENTION: INVENTION: US/11/127,654

i CURRENT APPLICATION NUMBER: US/11/127,654

i CURRENT FILING DATE: 2002-03-29

i PRIOR FILING DATE: 2002-03-29

i PRIOR RILING DATE: 2002-03-29

i RIOR APPLICATION NUMBER: US 60/279,642

i ROWABRE OF SEQ ID NOS: 1040

i SOFTWARE: PARENTING DATE: 2001-03-29

i MUMBER OF SEQ ID NOS: 1040

i SOFTWARE: PARENTING DATE: 2003-03-29

i TRANSTREE OF SEQ ID NOS: 1040

i SOFTWARE: PARENTING DATE: 2003-03-29

i TRANSTREE OF SEQ ID NOS: 1040

i SOFTWARE: PARENTING DATE: 2003-03-29

i TRANSTREE OF SEQ ID NOS: 1040
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publication No. US20050250726A1

Sequence 859, Application US/11127654

publication No. US20050250726A1

GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.

TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC

TITLE OF INVENTION: IMMUNOSTIMULATORY DISEASES

FILE REFERENCE: C1039.70060US01

CURRENT APPLICATION NUMBER: US/11/127,654

CURRENT PILING DATE: 2005-05-12

PRIOR FILING DATE: 2002-03-29

PRIOR FILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 1040

SOFTWARE: Patentin version 3.2

LENGTH: 24
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          Query Match 86.7%; Score 20.8; DB 7; Best Local Similarity 91.7%; Pred. No. 1.2; Matches 22; Conservative 0; Mismatches 2;
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Pred. No. 1.2;
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ORGANISM: Artificial sequence
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ORGANISM: Artificial sequence
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Best Local Similarity 91.7%;
Matches 22; Conservative
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US-11-127-654-859
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Publication No. US20050250726A1

Bublication No. US20050250726A1

GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.

APPLICANT: Rerg, Daniel J.

TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC

TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC

TITLE OF INVENTION: IMMUNENCE: US/11/127,654

CURRENT APPLICATION NUMBER: US/11/127,654

CURRENT APPLICATION NUMBER: US 10/112,653

PRIOR FILING DATE: 2002-03-29

PRIOR FILING DATE: 2001-03-29

PRIOR FILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 1040

SOUTHWARE: PARENT VERSION 3.2

LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Synthetic oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Synthetic oligonucleotide
TITLE OF INVENTION: INFLAMMATORY DISEASES FILE REFERENCE: C1039.70060US01
CURRENT APPLICATION NUMBER: US/11/12,654
CURRENT FILING DATE: 2005-05-12
PRIOR PILING DATE: 2002-03-29
PRIOR PILING DATE: 2002-03-29
PRIOR PILING DATE: 2002-03-29
PRIOR FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: PEACENTIN VETBION 3.2
SOFTWARE: PEACENTIN VETBION 3.2
LENGTH: 24
          INFLAMMATORY DISEASES
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LOCATION: (21)...(21);
OTHER INFORMATION: m5c
US-11-127-654-347
                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME/KEY: modified base LOCATION: (2)...(2)
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NAME/KEY: modified base
LOCATION: (13)..(13)
OTHER INFORMATION: m5c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) OTHER INFORMATION: m5c US-11-127-654-343
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OTHER INFORMATION: m5c
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; OTHER INFORMATION: Description of Artificial Sequence: CpG oligonucleotide US-11-154-324-5
US-11-06-334
Sequence 334, Application US/11061140
Sequence 334, Application US/11061140
Shiblication No. US20050256073A1
GENERAL INPORMATION:
FULL APPLICANT: Grayson B. Lipford
APPLICANT: Alexandra Forebach
TILLE REFERENCE: C1037.70053US01
CURRENT FILING DATE: 2005-02-18
FRIOR APPLICATION NUMBER: US/11/061,140
CURRENT FILING DATE: 2004-02-19
NUMBER OF SEQ ID NOS: 344
SOFTWARE: Patentin version 3.3
SEQ ID NO 334
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 86.7%; Score 20.8; DB 7; Length 24; Best Local Similarity 41.7%; Pred. No. 1.2; Matches 10; Conservative 12; Mismatches 2; Indels
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| Publication No. US20050255124A1
| GENERAL INFORMATION:
| APPLICANT: HOUGHTON, Michael
| APPLICANT: COATES, Steve
| TITLE OF INVENTION: HOTO BLECK
| TITLE OF INVENTION: HOTO BLECK
| FILE REFERNCE: 2302-17266
| CURRENT FILING DATE: 2005-06-16
| PRIOR PELICATION NUMBER: US/11/154,324
| PRIOR PILICATION NUMBER: US/10/187,257
| PRIOR PILICATION NUMBER: 2002-06-28
| NUMBER OF SEQ ID NOS: 5
| SOFTWARE: PATENTIN Ver. 2.0
| SEQ ID NO 5
| LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: synthetic oligonucleotide US-11-061-140-334
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Publication No. US20050271686A1
GENERAL INPORMATION:
APPLICANT: KANG, CHIL-YONG
APPLICANT: LI, YAN
TITLE OF INVENTION: HIV VACCINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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US-11-107-364-26
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APPLICANT: Krieg, Arthur M.
APPLICANT: Krieg, Arthur M.
APPLICANT: Krieg, Arthur M.
APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC TITLE OF INVENTION: IMMOSTIMULATORY DISEASES
FILE REFERENCE: C1039.70060US01
CURRENT APPLICATION NUMBER: US 11/12,653
PRIOR APPLICATION NUMBER: US 10/112,653
PRIOR PILING DATE: 2002-03-29
PRIOR PILING DATE: 2002-03-29
PRIOR PILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: PatentIn version 3.2
LENGTH: 24
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Publication No. US2005025607341

GENERAL INPORMATION:
APPLICANT: Grayson B. Lipford
APPLICANT: Alexandra Forebach
TITLE OF INVENTION: IMMUNOSTIMULATORY VIRAL RNA OLIGONUCLEOTIDES
FILE REFERENCE: C1037.705130101
CURRENT FILING DATE: 2005-02-18
PRIOR APPLICATION NUMBER: US 60/545,988
PRIOR PLILNG DATE: 2004-02-19
NUMBER OF SEQ ID NOS: 344
SEQ ID NO 285
LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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91.7%;
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Best Local Similarity 91.7%
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Sequence 295, Application US/11127654

Publication No. US2050250726A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT KATEG, ATTHUR M.
TITLE OF INVENTION: INFLAMMATORY DISEASES
FILE REPRENCE: C1039.70060US01
CURRENT APPLICATION NUMBER: US/11/127,654
CURRENT FILING DATE: 2000-05-12
FRICK APPLICATION NUMBER: US 60/279,642
FRICK APPLICATION NUMBER: US 60/279,642
FRICK APPLICATION NUMBER: US 60/279,642
FRICK FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: Patentin version 3.2
LENGTH: 29
LENGTH: 29
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Publication No. US200525072641
GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
APPLICANT: Barg, Daniel J.
TITLE OF INVENTION: INFLAMMATORY DISEASES
TITLE OF INVENTION: INFLAMMATORY DISEASES
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                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthetic oligonucleotide US-11-127-654-862
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CURRENT APPLICATION NUMBER: US/11/127,654
CURRENT FILING DATE: 2005-05-12
  PRIOR FILING DATE: 2002-03-29
PRIOR APPLICATION NUMBER: US 60/279,642
PRIOR FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SEG TWARE: Patentin version 3.2
SEQ ID NO 862
LENGTH: 25
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| LOCATION: (1)...(1)
| OTHER INFORMATION: biotinylated
| US-11-127-654-295
                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial sequence
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ORGANISM: Artificial sequence
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APPLICANT: Krieg, Arthur M.
APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMUNOATHMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC TITLE OF INVENTION: INPLAMATORY DISEASES
FILE REFERENCE: C1039.70060US01
CURRENT APPLICATION NUMBER: US/11/127,654
CURRENT FILING DATE: 2005-05-12
PRIOR APPLICATION NUMBER: US 10/112,653
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86.7%; Score 20.8; DB 7; Length 24;
Best Local Similarity 91.7%; Pred. No. 1.2;
Matches 22; Conservative 0; Mismatches 2; Indels
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Publication No. US20050282763A1
GENERAL INFORMATION:
TITLE CALION NO. WESTON LYDNE
TITLE OF INVENTION: WETHODS OF TREATING BLADDER DISORDERS
FILE REFERENCE: 08191-022001
CURRENT APPLICATION NUMBER: US/11/019,955
PRIOR APPLICATION NUMBER: US/1222
PRIOR APPLICATION NUMBER: 00/2-12
PRIOR FILLING DATE: 2002-02-12
PRIOR FILLING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 29
NUMBER OF SEQ ID NOS: 29
FILE REFERENCE: UMA-011.02
CURRENT APPLICATION NUMBER: US/11/107,364
CURRENT FILING DATE: 2005-04-15
FRIOR APPLICATION NUMBER: 09/762,294
FRIOR PILING DATE: 2001-04-02
FRIOR FILING DATE: 1999-08-12
FRIOR APPLICATION NUMBER: 60/096,235
FRIOR APPLICATION NUMBER: 60/096,235
FRIOR FILING DATE: 1998-08-12
NUMBER OF SEQ ID NOS: 47
SOFTWARE: Patentin Ver. 3.3
SERIVATH: 24
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Publication No. US20050250726A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence PEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-11-127-654-862
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LENGTH: 24
                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
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Sequence 332, Application US/11127654

Sequence 332, Application US/11127654

Publication No. US20050250726A1

GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.

APPLICANT: Krieg, Arthur M.

APPLICANT: Resey, Dankel J.

ITLE OF INVENTION: INFLAMMATORY DISEASES

TITLE OF INVENTION: INFLAMMATORY DISEASES

PILE REPERENCE: C1039.70060US01

CURRENT APPLICATION NUMBER: US/11/127,654

CURRENT FILING DATE: 2005-05-12

PRIOR APPLICATION NUMBER: US 60/279,642

PRIOR PILING DATE: 2001-03-29

PRIOR PILING DATE: 2001-03-29

PRIOR PILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 1040

SOFTWARE PATENTIN VERSION 3.2

SEQ ID NO 332

LENGTH: 24
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Best Local Similarity 91.3%; Pred. No. 3.3;
Matches 21; Conservative 0; Mismatches 2;
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                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthetic oligonucleotide US-11-127-654-398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OTHER INFORMATION: Synthetic oligonucleotide
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Publication No. US20050276814A1
GENERAL INFORMATION:
APPLICANT: Microbial Technics Limited
APPLICANT: Microbial Technics Limited
APPLICANT: Gilbert, Christophe FG
APPLICANT: Hansbro, Philip M
ITILE OF INVENTION: Protedins
FILE REFERENCE: PWC/P21129WO
CURRENT APPLICATION NUMBER: US/10/873,528
CURRENT FILING DATE: 2004-06-23
PRIOR PLLING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: GB 9816337.1
PRIOR FILING DATE: 1998-03-27
  PRIOR FILING DATE: 2002-03-29
PRIOR PEDICALION NUMBER: US 60/279,642
PRIOR FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: Patentin version 3.2
SEQ ID NO 398
LENGTH: 23
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ORGANISM: Artificial sequence
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Best Local Similarity
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Sequence 398, Application US/11127654

Publication No. US20050250726A1

Publication No. US20050250726A1

GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.

APPLICANT: Berg, Daniel J.

TITLE OF INVENTION: INFLAMMATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC TITLE OF INVENTION: INFLAMMATORY DISEASES

FILE REPERENCE: C1039-700600301

CURRENT APPLICATION NUMBER: US/11/127,654

CURRENT FILING DATE: 2005-05-12
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TITLE OF INVENTION: Immunostimulatory Nucleic Acid Molecules
FILE REPERENCE: C1039/7023/HCL
CURRENT APPLICATION UNDBER: US/10/619,279
CURRENT PILING DATE: 2003-07-14
FRIOR APPLICATION NUMBER: US 08/986,774
FRIOR PILING DATE: 1997-10-30
FRIOR FILING DATE: 1997-10-30
FRIOR PILING DATE: 1995-10-30
FRIOR PILING DATE: 1995-0-07
FRIOR PILING DATE: 1995-07-07
FRIOR FILING DATE: 1995-07-15
NUMBER OF SEQ ID NOS: 123
SOFTWARE: FREUSED FOR WINDOWS Version 3.0
                                                                                                                                                                                                                                                                                                                                                               Query Match 86.7%; Score 20.8; DB 7; Length 32; Best Local Similarity 91.7%; Pred. No. 1.3; Matches 22; Conservative 0; Mismatches 2; Indels
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Pred. No. 3.3;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Synthetic oligonucleotide US-11-127-654-411
PRIOR APPLICATION NUMBER: US 10/112,653
PRIOR FILING DATE: 2002-03-29
PRIOR PPLING DATE: 2001-03-29
PRIOR PILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: Patentin Version 3.2
ESQ ID NO 411
LENGTH: 32
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PRIOR APPLICATION NUMBER: US 10/112,653
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Publication No. US20050267057A1
GENERAL INFORMATION:
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Best Local Similarity 91.3%;
Matches 21; Conservative (
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ORGANISM: Artificial sequence
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sequence 4, Application US/10240708
; bublication No. US2005028157A1
; bublication No. US2005028157A1
; denstal information No. US2005028157A1
; denstal information No. US2005028157A1
; denstal information No. US2005028157A1
; APPLICANT: OLEK, Alexander
; APPLICANT: DIEBENBROCK, Christian
; APPLICANT: DIEBENBROCK, Christian
; APPLICANT: DIEBENBROCK, Christian
; APPLICANT: DIEBENBROCK, Christian
; TITLE OF INVENTION: Dy Assessing DNA Methylation
; FILE REFERENCE: 5013.1012
; CURRENT APPLICATION NUMBER: US/10/240,708
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR PILING DATE: 2000-04-06
; PRIOR PILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR PILING DATE: 2000-04-06
; PRIOR PILING DATE: 2000-04-06
; PRIOR FILING DATE: 2000-04-06
; PRIOR FILING DATE: 2000-04-06
; PRIOR FILING DATE: 2000-06-30
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 98
; SEQ ID NO 4
; TEMMON 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-240-708-4
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Sequence 26, Application US/10497591A

Sequence 26, Application US/10497591A

Sequence 26, Application US/10497591A

SEGUENCE 11 NO. US20050250716A1

GRENERAL INFORMATION:
APPLICANT: SCHMIDT, WALTER

APPLICANT: BGYED, ALENA

APPLICANT: LINGMAU, KAREN

TITLE OF INVENTION: IMMUNOSTIMULATORY OLIGODEOXYNUCLEOTIDES

FILLE REPERENCE: SONN: 1045US

CURRENT APPLICATION NUMBER: US/10/497,591A

CURRENT FILING DATE: 2004-06-03
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                                                                                                                                                                                      DB 7;
                                                                             FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
US-11-127-654-854
                                                                                                                                                                                    Query Match
73.3%; Score 17.6; D
Best Local Similarity 83.3%; Pred. No. 27;
Matches 20; Conservative 0; Mismatches
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PRIOR APPLICATION NUMBER: PCT/EP02/13791
PRIOR FILING DATE: 2002-12-05
PRIOR APPLICATION NUMBER: A 1924/2001
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ORGANISM: Artificial Sequence
LENGTH: 24
TYPE: DNA
ORGANISM: Artificial sequence
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| Bedience 854, Application Wo. US20050250726A1
| GENERAL INFORMATION:
| APPLICANT: Krieg, Arthur M. |
| APPLICANT: Krieg, Arthur M. |
| TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR TREATMENT OF NON-ALLERGIC TITLE OF INVENTION: INFLAMMATORY DISEASES FILE REFERENCE: C1039.70060US01 |
| CURRENT FILING DATE: 2005-05-12 |
| PRIOR PAPLICATION NUMBER: US 10/112,654 |
| PRIOR PAPLICATION NUMBER: US 60/279,642 |
| PRIOR FILING DATE: 2001-03-29 |
| PRIOR PILING DATE: 2001-03-29 |
| NUMBER OF SEQ ID NOS: 1040 |
| SOFTWARE PAFENTIN VEREION 3.2 |
| SEQ ID NO 854 |
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Publication No. US20050250726A1

GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
TITLE OF INVENTION: INFLAMMATORY DISEASES
FILE REFERENCE: C1039.70060US01

CURRENT PILING DATE: 2005-03-12

PRIOR PILING DATE: 2005-03-29

PRIOR PILING DATE: 2005-03-29

PRIOR PILING DATE: 2001-03-29

PRIOR PILING DATE: 2001-03-29

NUMBER OF SEQ ID NOS: 1040

SEQ ID NO 333

LENGTH: 24
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Best Local Similarity 83.3%; Pred. No. 27;
Matches 20; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Synthetic oligonucleotide US-11-127-654-333
                                                                                                                                                                                                                                                                                                                                                                                                                                    1266 rcrrccrrccrrccrrccrrcarr 1289
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        60/125164
                                                                                                                                                             TYPE: DNA CORGANISM: Streptococcus pneumoniae US-10-873-528-322
  PRIOR APPLICATION NUMBER: US 60, PRIOR FILING DATE: 1999-03-19, NUMBER OF SEQ ID NOS: 388, SOFTWARE: Patentin Ver. 2.1, EQUID NO 322, LENGTH: 1350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial sequence
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; PRIOR FILING DATE: 2001-12-07
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 26
; LENGTH: 24
; TYPE: DAA
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; PRATURE:
; OTHER INFORMATION: Primer
; PRATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Primer
; PRATURE:
; OCATION: (3)..(22)
; OTHER INFORMATION: n = inosine or uracil
US-10-497-591A-26

QUELY MATCH

QUELY MATCH

Rest Local Similarity 75.0%; Pred. No. 60;
Matches 18; CORSETTCGTTTCGTCGTTTCGTCGTT

QY

I TCGTCGTTTTCGTCGTTTTCGTCGTTT

QY

I TCGTCGTTTTGTCGTTTTGTCGTTT

QY

I TCGTCGTTTTGTCGTTTTTGTCGTTT

QY

I TCGTCGTTTTGTCGTTTTTGTCGTTT

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Search completed: December 30, 2005, 21:41:50
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/cgn2_6/ptodata1/ina/5_COMB.seq:*
/cgn2_6/ptodata1/ina/6A_COMB.seq:*
/cgn2_6/ptodata1/ina/6B_COMB.seq:*
/cgn2_6/ptodata1/ina/H_COMB.seq:*
/cgn2_6/ptodata1/ina/PCTUS_COMB.seq:*
/cgn2_6/ptodata1/ina/PP_COMB.seq:*
/cgn2_6/ptodata1/ina/PP_COMB.seq:*
/cgn2_6/ptodata1/ina/PP_COMB.seq:*
/cgn2_6/ptodata1/ina/RB_COMB.seq:*
/cgn2_6/ptodata1/ina/RB_COMB.seq:*
GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.
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Maximum Match 100%
Listing first 45 summaries
                                                                                                                OM nucleic - nucleic search, using sw model
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Gapop 10.0 , Gapext 1.0
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                 Scoring table:
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Sequence 17, Appl
Sequence 112, App
Sequence 128, App
Sequence 2, Appli
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Sequence 123, App
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Sequence 46, 1
Sequence 3, Al
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Sequence 46,
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Sequence 66,
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Sequence 5, 1
Sequence 7, 1
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Sequence 15,
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Sequence 84,
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Sequence 322, App Sequence 27314, A Sequence 21314, A Sequence 23403, A Sequence 11695, A Sequence 11695, A Sequence 1001, App Sequence 1010, App	1123 1123 25, 25,	Sequence 25, Appl Sequence 25, Appl Sequence 6, Appli Sequence 21, Appl	Sequence 21, Appl Sequence 21, Appl Sequence 21, Appl Sequence 4, Appli Sequence 9, Appli
US-09-769-787-322 US-08-961-527-48 US-09-270-767-8131 US-09-270-767-8131 US-09-270-767-23403 US-09-270-767-11695 US-09-233-559-6071 US-09-614-034-190	US-08-585-684B-1123 US-09-038-073-1123 US-08-324-977-25 US-08-384-616-25	US-08-904-686A-25 US-09-315-850-25 US-09-010-809-6 US-08-324-977-21	US-08-304-616-21 US-08-904-686A-21 US-09-315-850-21 US-09-010-809-4 US-08-324-977-9
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## ALIGNMENTS

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APPLICANT: Krieg.
APPLICANT: Krieg.
APPLICANT: Krieg.
APPLICANT: Krieg.
APPLICANT: Wedner, George
TITLE OF INVENTION: Methods and Products for Stimulating the
TITLE OF INVENTION: Immune System Using Immunotherapeutic Oligonucleotides and
TITLE OF INVENTION: CYTOKINES
FILE REFERENCE: C1039/1026/HCL
CURRENT APPLICATION NUMBER: US/09/286,098
CURRENT FILING DATE: 1999-04-02
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      Sequence 6, Application US/09030701B
; Sequence 6, Application US/09030701B
; Sequence 6, Application US/09030701B
; Patent No. 6214806
; GENERAL INFORMATION:
; APPLICANT: Schwartz, David A.
; TITLE OF INVENTION: UNMETHYLATED CPG DINUCLEOTIDE IN THE TREATMENT OF TITLE OF INVENTION: LPS-ASSOCIATED DISORDERS
; FILE REFERENCE: C1039/7011
; CURRENT APPLICATION NUMBER: 1990-02-25
; PRIOR PILING DATE: 1997-02-28
; PRIOR PILING DATE: 1997-02-28
; NUMBER OF SEQ ID NOS: 65
; SOFTWARE: PastSEQ for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: synthetic oligonucleotide US-09-030-701-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TCGTCGTTTCGTCGTTT 24
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Sequence 90, Application US/09286098
Patent No. 6218371
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
US-09-030-701-6
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SOFTWARE: FAR
SEQ ID NO 3
                                         JS-09-082-649B-3
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SOFTWARE: ASCII text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/960,774
FILING DATE: 30-October-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U.S. Serial No. 6239116 08/738,652
FILING DATE: October 30, 1996
CLASSIFICATION: 514
ATTORNEY/AGENT INPORMATION:
NAME: Haile, Lisa 38,347
REPERRENCE/POCKET NUMBER: 08918/012001
TELECOMMUNICATION INPORMATION:
TELEPHONE: 619/678-5079
INFORMATION POR SEQ ID NO. 46:
SEQUENCE CHARACTERISTICS:
LENGTH: 24 base pairs
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Patent No. 6239116

GENERAL INFORMATION:
APPLICANT: Krieg et al.,
ATILICANT: Krieg et al.,
ADDRESSES: 111
CORRESPONDENCE ADDRESS:
ADDRESSES: 114
CORRESPONDENCE ADDRESS:
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATES: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 20.8; DB 3; Length 24; Pred. No. 3.1;
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EARLIER APPLICATION NUMBER: US 60/080,729
EARLIER FILING DATE: 1998-04-03
NUMBER OF SEQ ID NOS: 105
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 90
LENGTH: 24
                                                                                                                                                     FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-286-098-90
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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Best Local Similarity 91.7%;
Matches 22; Conservative
                                                                                                                                     ORGANISM: Artificial Sequence
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STRANDEDNESS: single
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STATE: CA
COUNTRY: US/
ZIP: 92037
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US-08-960-774-46
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                                                                                                                     TYPE: DNA
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Sequence 3. Application US/09082649B
Sequence 10. 6333006
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Sequence 10. 633006
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APPLICANT: Kriege Arthur M.
APPLICANT: Kriege Arthur M.
APPLICANT: Hartmann, Gunther
TITLE OF INVENTION: Immunostimulatory Nucleic Acid Molecules
TITLE OF INVENTION: for Activating Dendritic Cells
FILE REFERENCE: C1039/7017
CURRENT APPLICATION NUMBER: US/09/191,170
CURRENT PELING DATE: 1998-11-13
EARLIER APPLICATION NUMBER: US 08/960,774
EARLIER PILING DATE: 1997-10-30
EARLIER PILING DATE: 1996-10-30
EARLIER PILING DATE: 1996-10-30
EARLIER PILING DATE: 1996-0-30
EARLIER PILING DATE: 1996-0-30
EARLIER PILING DATE: 1996-0-30
EARLIER APPLICATION NUMBER: US 08/276,358
EARLIER PILING DATE: 1996-07-15
NUMBER OF SEQ ID NOS: 99
SOPTWARE: PRECEDE FOR WINGOWS Version 3.0
SEQ ID NO 95
LENGTH: 24
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                                                                                                                                              Length 24;
                                                                                                                                                                                                               Indels
                                                                                                                                              DB 3;
                     ; OTHER INFORMATION: synthetic oligonucleotide US-09-191-170-84
                                                                                                                                      Score 20.8; Di
Pred. No. 3.1;
0; Mismatches
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; Sequence 95, Application US/09191170
; Patent No. 6429199
; GENERAL INFORMATION:
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US-09-690-921-4
; Sequence 4, Application US/09690921
; Patent No. 6544518
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ORGANISM: Artificial Sequence
                                                                                                                                      Query Match
Best Local Similarity 91.7%;
Matches 22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME/KEY: modified base
LOCATION: (2)...(2)
OTHER INFORMATION: m5c
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LOCATION: (5)...(5)
OTHER INFORMATION: m5c
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NAME/KEY: modified base
LOCATION: (13)...(13)
OTHER INFORMATION: m5c
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NAME/KBY: modified base
LOCATION: (21)...(21)
OTHER INFORMATION: m5c
US-09-191-170-95
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APPLICANT: Bavis, Heather L.
APPLICANT: Bavis, Heather L.
APPLICANT: Schort, Joachim
APPLICANT: Krieg, Arthur M.
TITLE OF INVENTION: Use of Nucleic Acids Containing
TITLE OF INVENTION: Unmethylated CpG Dinucleotide as an Adjuvant;
FILE REPERENCE: C1039/7025/HCL
CURRENT APPLICATION NUMBER: US/09/325,193A
CURRENT PILING DATE: 1999-06-03
FRIOR FILING DATE: 1998-09-16
FRIOR PILING DATE: 1998-03-10
FRIOR APPLICATION NUMBER: PCT/US98/04703
FRIOR PILING DATE: 1998-03-10
FRIOR APPLICATION NUMBER: US 60/040,376
FRIOR APPLICATION NUMBER: US 60/040,3
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| GENERAL INFORMATION:
| APPLICANT: Martmann, Gunther,
| TITLE OF INVENTION: for Activating Dendritic Cells
| TITLE OF INVENTION: for Activating Dendritic Cells
| FILE REPERENCE: C1039/7017
| CURRENT APPLICATION NUMBER: US/09/191,170
| CURRENT PILING DATE: 1998-11-13
| EARLIER PLING DATE: 1998-10-30
| SARLIER PLING DATE: 1996-10-30
| SARLIER APPLICATION NUMBER: US 08/738,652
| SARLIER PLING DATE: 1995-02-07
| EARLIER PLING DATE: 1995-02-07
| EARLIER PRING DATE: 1995-02-07
| SARLIER PRING DATE: 1994-07-15
| CONTRADED PRING DATE: 1994-07-15
| CONTRADED PRING DATE: 1994-07-15
Query Match

86.7%; Score 20.8; DB 3; Length 24;
Best Local Similarity 91.7%; Pred. No. 3.1;
Matches 22; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PastSEQ for Windows Version 3.0 SEQ ID NO 84 LENGTH: 24
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us-10-613-749-1.rn1

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FEATURE:

OTHER INFORMATION: synthetic oligonucleotide

NAME/KEY: misc_feature

LOCATION: (0) ... (0)

OTHER INFORMATION: Backbone is a phosphorothicate--phosphodiester

US-09-965-101-66
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US-09-965-101-66

US-09-965-101-66

Sequence 66, Application US/09965101

Patent No. 6821957

GENERAL INFORMATION:

APPLICANT: Davis, Heather L.

APPLICANT: Schorr, Joachim

APPLICANT: Wu, Tong

TITLE OF INVENTION: Vectors and Methods for Immunization or TITLE OF INVENTION: Therapeutic Protocols

TITLE OF INVENTION: Therapeutic Protocols

TITLE OF INVENTION: Therapeutic Protocols

FILE REFERENCE: 10199/7057 (HCL/MAT)

CURRENT APPLICATION NUMBER: US 09/082,649

PRIOR FILING DATE: 1999-05-20

PRIOR PELING DATE: 1997-05-20

PRIOR APPLICATION NUMBER: US 60/047,209

PRIOR PELING DATE: 1997-05-20

NUMBER OF SEQ ID NOS: 84

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 66

LENTH: 24
            APPLICANT: Davis, Heather L.

APPLICANT: Krieg, Arthur M.
APPLICANT: Schorr, Joachim
APPLICANT: Schorr, Joachim
APPLICANT: Wu, Tong
TITLE OF INVENTION: Vectors and Methods for Immunization or
TITLE OF INVENTION: Therapeutic Protocols
TITLE OF INVENTION: Therapeutic Protocols
CURRENT APPLICATION NUMBER: US/09/965,101
CURRENT APPLICATION NUMBER: US 09/082,649
PRIOR PILING DATE: 1998-05-20
PRIOR PRILING DATE: 1998-05-20
PRIOR PRILING DATE: 1997-05-20
PRIOR PRING PRILING DATE: 1997-05-20
PRIOR PRING PRILING DATE: 1997-05-20
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PRIOR PRILING DATE: 1997-05-20
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COTHER INFORMATION: synthetic oligonucleotide
NAME/KEX: misc feature
COCATION: (0) ... (0)
COTHER INFORMATION: Has a phosphorothicate backbone.
US-09-965-101-3
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Pred. No. 3.1;
0; Mismatches 2;
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ORGANISM: Artificial Sequence
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Best Local Similarity 91.7%;
Matches 22; Conservative
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86.7%; Score 20.8; DB 3; Length 24;
Best Local Similarity 91.7%; Pred. No. 3.1;
Matches 22; Conservative 0; Mismatches 2; Indels
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CURRENT APPLICATION NUMBER: US/09/337,619
CURRENT FILING DATE: 1999-06-21
EARLIER APPLICATION NUMBER: US 08/560,774
EARLIER FILING DATE: 1997-10-30
EARLIER FILING DATE: 1996-10-30
EARLIER APPLICATION NUMBER: US 08/386,063
EARLIER APPLICATION NUMBER: US 08/36,063
EARLIER APPLICATION NUMBER: US 08/276,358
EARLIER APPLICATION NUMBER: US 08/276,358
EARLIER PILING DATE: 1994-07-15
NUMBER OF SEQ ID NOS: 123
SOFTWARE: FREESEQ for Windows Version 3.0
EARLIER FILING DATE: AMINGOWS VERSION 3.0
                                                                                                  TITLE OF INVENTION: VACCINES
FILE REFERENCE: B65181-1
CURRENT APPLICATION NUMBER: US/09/690,921
CURRENT FILING DATE: 2000-10-18
PRIOR APPLICATION NUMBER: PCT/EP00/02920
PRIOR APPLICATION NUMBER: 09/301,829
PRIOR FILING DATE: 1999-04-04
PRIOR FILING DATE: 1999-04-19
PRIOR FILING DATE: 1999-04-19
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSEQ for Windows Version 3.0
SSOFTWARE: PastSEQ for Windows Version 3.0
LENGTH: 24
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; Sequence 46, Application US/09337619
Patent No. 6653292
; GENERAL INFORMATION:
Friede, Marcard, Catherine
Gerard, Catherine
Hermand, Philippe
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US-09-690-921-4
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APPLICANT:
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Score 20.8; DB 3; Length 24; Pred. No. 3.1;

86.7%;

Query Match Best Local Similarity

Sequence 3, Application US/09965101 Patent No. 6821957 GENERAL INFORMATION:

US-09-965-101-3

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Query Match
Best Local Similarity
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US-09-954-987B-112
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LENGTH: 24
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GENERAL INFORMATION:
JAPLICANT: Lyon, Jeffrey A.
APPLICANT: Lyon, Jeffrey A.
TITLE OF INVENTION: Isolation and Purification of P. falciparum Merozoite
TITLE OF INVENTION: Protein-142 Vaccine
TITLE OF INVENTION: Protein-142 Vaccine
TITLE REPERENCE: 003/241/SAP
CURRENT APPLICATION NUMBER: US/10/057,531A
CURRENT FILING DATE: 2002-01-25
FRIOR APPLICATION NUMBER: US 60/264,535
FRIOR APPLICATION NUMBER: US 60/347,564
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APPLICANT: Coleman, Timothy P.
APPLICANT: Coleman, Darrell L.
TITLE OF INVENTION: Advanced Antigen Presentation Platform FILE REFERENCE: 05270001ta
CURRENT APPLICATION NUMBER: US/09/495,947
CURRENT PILING DATE: 2000-02-02
PRIOR APPLICATION NUMBER: US 60/118,526
PRIOR FILING DATE: 1999-02-02
RIOR FILING DATE: 1999-02-02
SOFTWARE: Patentin Ver. 2.1
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Best Local Similarity 91.7%; Pred. No. 3.1;
Matches 22; Conservative 0; Mismatches
Mismatches
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Patent No. 6855322
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22; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 22; Conserv
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US-09-495-947-5
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LENGTH: 24
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Sequence 17, Application US/09495947

Patent No. 6887464

GENERAL INFORMATION:

APPLICANT: Coleman, Timothy P.

APPLICANT: Peterson, Darrall L.

ITLE OF INVENTION: Advanced Antigen Presentation Platform

FILE REFERENCE: 05270001ta

CURRENT PILING DATE: 1090-02-02

PRIOR APPLICATION NUMBER: US 60/118,526

PRIOR FILING DATE: 1999-02-02

NUMBER OF SEQ ID NOS: 24

SOFTWARE: Patentin Ver. 2.1

SEQ ID NO 17
Sequence 7, Application US/09495947

Fatent No. 688464

GENERAL INFORMATION:
APPLICANT: Coleman, Timothy P.
TILE OF INVENTION: Advanced Antigen Presentation Platform:
FILE REPERENCE: 05270001ta
CURRENT PILING DATE: 2000-02-02
FRIOR APPLICATION NUMBER: US/09/495,947

CURRENT FILING DATE: 1999-02-02
FRIOR PILING DATE: 1999-02-02
SOFTWARE PILING DATE: 1999-02-02
SOFTWARE PILING DATE: 1999-02-02
SOFTWARE PILING DATE: 2000-02-02
SOFTWARE PILING DATE: 1999-02-02
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; OTHER INFORMATION: immunostimulating oligonucleotides
US-09-495-947-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 91.7%;
Matches 22; Conservative
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TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                          NAME/KEY: modified base; LOCATION: (21)...(21); OTHER INFORMATION: m5c US-09-954-9878-128
NAME/KEY: modified base
LOCATION: (13)...(13)
OTHER INFORMATION: m5c
FEATURE:
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Sequence 128, Application US/09954987B

Patent No. 6943240

GENERAL INFORMATION:

APPLICANT: Stefan Bauer

APPLICANT: Stefan Bauer

APPLICANT: Hermann Wagner

TITLE OF INVENTION: PROCESS FOR HIGH THROUGHPUT SCREENING OF

TITLE OF INVENTION: PROCESS FOR HIGH THROUGHPUT SCREENING

TITLE OF INVENTION: UNMERR: US 60/233,035

PRIOR PILING DATE: 2001-09-15

PRIOR PILING DATE: 2001-01-23

PRIOR FILING DATE: 2001-01-23

PRIOR PLIING DATE: 2001-01-23

PRIOR PLIING DATE: 2001-06-17

PRIOR PLIING DATE: 2001-06-17

PRIOR PLIING DATE: 2001-06-17

PRIOR PLIING DATE: 2001-06-22

NUMBER OF SEQ ID NOS: 230

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 128

LIBRITALS
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                    APPLICANT: Grayson B. Lipford
APPLICANT: Grayson B. Lipford
APPLICANT: Hermann Wagner
TITLE OF INVENTION: PROCESS FOR HIGH THROUGHDUT SCREENING OF
TITLE OF INVENTION: CGG-BASED IMMUNO-AGONIST/ANTAGONIST
TITLE OF INVENTION: CGG-BASED IMMUNO-AGONIST/ANTAGONIST
FILE REFERENCE: C1041/7016 (AMS)
CURRENT PELING DATE: 2001-09-15
FRIOR PELING DATE: 2001-09-15
FRIOR APPLICATION NUMBER: US 60/233,035
FRIOR FILING DATE: 2001-01-23
FRIOR APPLICATION NUMBER: US 60/291,726
FRIOR APPLICATION NUMBER: US 60/300,210
FRIOR APPLICATION NUMBER: US 60/300,210
FRIOR PELING DATE: 2001-06-12
NUMBER OF SEQ ID NOS: 230
SOFTWARE: FastSEQ for Windows Version 3.0
IENGTH: 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 86.7%; Score 20.8; DB 3; Length 24; Best Local Similarity 91.7%; Pred. No. 3.1; Matches 22; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FEATURE:
; OTHER INFORMATION: Synthetic oligonucleotide
US-09-954-9878-112
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NAME/KEY: modified base
LOCATION: (2)...(2)
OTHER INFORMATION: m5c
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Query Match 86.7%; Score 20.8; DB 3; Length 24; Best Local Similarity 91.7%; Pred. No. 3.1; Matches 22; Conservative 0; Mismatches 2; Indels
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Sequence 108, Application US/09672126B
Sequence 108, Application US/09672126B
Sequence 108, Application US/09672126B
Sequence 108, Application US/09672126B
SENERAL INFORMATION:
APPLICANT: Bratzler, Robert L.
APPLICANT: Krieg, Arthur
TITLE OF INVENTION: Methods Related to Immunostimulatory
TITLE OF INVENTION: Nucleic Acid-Induced Interferon
FILE REFERENCE: C10397/004
CURRENT PAPLICATION NUMBER: US/09/672,126B
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/156,147
PRIOR APPLICATION NUMBER: 60/156,147
NUMBER OF SEQ. ID NOS: 169
SOFTWARE: FastSEQ for Windows Version 3.0
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! LOCATION: (1)...(24)

! OTHER INFORMATION: Backbone has phosphorothioate linkages.

US-09-672-126B-2
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APPLICANT: Hartmann, Gunther
APPLICANT: Krieg, Arthur
TITLE OF INVENTION: Methods Related to Immunostimulatory;
TITLE OF INVENTION: Mucleic Acid-Induced Interferon
TITLE OF INVENTION: NUCLEic Acid-Induced Interferon
FILE REFERENCE: C1039/7044
CURRENT APPLICATION NUMBER: US/09/672,126B
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: 60/156,147
PRIOR FILING DATE: 1999-09-29
NUMBER: OF SEQ ID NOS: 169
SOFTWARE: FastEEC for Windows Version 3.0
SEQ ID NO 2
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86.7%; Score 20.8; DB 3;
Best Local Similarity 91.7%; Pred. No. 3.1;
Matches 22; Conservative 0; Mismatches 2;
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US-09-672-126B-2
; Sequence 2, Application US/09672126B
; Patent No. 6949520
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SOFTWARE: PASE OF SEQ ID NO 15
LENGTH: 52
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86.7%; Score 20.8; DB 3; Length 24;
Best Local Similarity 91.7%; Pred. No. 3.1;
Matches 22; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                           Sequence 147. Application US/09672126B
; Sequence 147. Application US/09672126B
; Patent No. 6949520;
; GENERAL INFORMATION:
; APPLICANT: Hartmann, Gunther
; APPLICANT: Brazzler, Robert L.
; APPLICANT: Krieg, Arthur
; TITLE OF INVENTION: Methods Related to Immunostimulatory;
TITLE OF INVENTION: Methods Related to Immunostimulatory;
; TITLE OF INVENTION: Mothods Related to Immunostimulatory;
; TITLE OF INVENTION: Mothods Related to Immunostimulatory;
; TITLE OF INVENTION: Mothods Related to Immunostimulatory;
; FILE REPERBUGE: 01039/7044
; CURRENT APPLICATION NUMBER: US/09/672,126B
; CURRENT APPLICATION NUMBER: 60/156,147
; PRIOR PILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 169
; SOFTHARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 147

LENGTH: 24
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COCATION: (1)...(24)

CTHER INFORMATION: Backbone has phosphorothioate linkages.
US-09-672-126B-14
                                                                                 FEATURE:

OTHER INFORMATION: Synthetic Oligonucleotide
US-09-672-126B-108
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CURRENT APPLICATION NUMBER: US/09/082,649B
CURRENT FILING DATE: 1998-05-20
PRIOR APPLICATION NUMBER: US 60/047,233
PRIOR PILING DATE: 1997-05-20
PRIOR PILING DATE: 1997-05-20
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                  LENGTH: 24
TYPE: DNA
ORGANISM: Artificial Sequence
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SEQ ID NO 108
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Sequence 15, Application US/09965101

Sequence 16, Application US/09965101

APPLICANT: Davis, Heather L.

APPLICANT: Schorr, Jacchim

APPLICANT: Wu, Tong

TITLE OF INVENTION: Vectors and Methods for Immunization or TITLE OF INVENTION: Vectors and Methods for Immunization or TITLE OF INVENTION: Therapeutic Protocols

TITLE OF INVENTION: WHERE: US 09/095,101

CURRENT FILING DATE: 1999-05-26

FRIOR FILING DATE: 1998-05-20

PRIOR FILING DATE: 1999-05-20

PRIOR PLING DATE: 1997-05-20

PRIOR PLING DATE: 1997-05-30

PRIOR PLING DATE: 1997-05-30

PRIOR PLING DATE: 1997-05-30

NUMBER OF SEQ ID NOS: 84

SEQ ID NO 15

LENGTH: 52
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86.7%; Score 20.8; DB 3; Length 52;
Best Local Similarity 91.7%; Pred. No. 3.2;
Matches 22; Conservative 0; Mismatches 2; Indels
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Fatent No. 6653292
GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
TITLE OF INVENTION: Methods of Treating Cancer Using
TITLE OF INVENTION: Immunostimulatory Oligonucleotides
FILE REFERENCE: C1039/7021/HCL
CURRENT APPLICATION NUMBER: US/09/337,619
CURRENT FILING DATE: 1999-06-21
FARLIER APPLICATION NUMBER: US 08/960,774
FARLIER PILING DATE: 1997-10-30
FARLIER PILING DATE: 1997-10-30
FARLIER FILING DATE: 1996-10-30
                                                                                                                                                                    ; FEATURE:
; OTHER INFORMATION: synthetic oligonucleotide
US-09-082-649B-15
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NUMBER OF SEQ ID NOS: 85
SOFTWARE: FastSEQ for Windows Version 3.0
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ORGANISM: Artificial Sequence
                                                                                                                    TYPB: DNA
ORGANISM: Artificial Sequence
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US-09-337-619-123
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1 TCGTCGTTTCGTCGTT
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US-08-961-527-48
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US-09-270-767-27314/c
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US-09-270-767-8121/c
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LENGTH: 286
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Sequence 4. Application US/08961527

GENERAL INFORMATION:

TITLE OF INVENTION: Streptococcus pneumoniae Polynucleotides and Sequences NUMBER OF SEQUENCE: 391

CORRESPONDENCE ADDRESS:

ADDRESSER: Human Genome Sciences, Inc.

STREET: 9410 Key West Avenue

STREET: Maryland

COUNTRY: USA
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                                                                                                                                                                                                                                                                                                          Query Match 82.5%; Score 19.8; DB 3; Length 23; Best Local Similarity 91.3%; Pred. No. 8.2; Matches 21; Conservative 0; Mismatches 2; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
                                                                                                                                                                                                                       ; PEATURE:
; OTHER INFORMATION: Synthetic Oligonucleotide
US-09-337-619-123
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Patent No. 6936252

GENERAL INFORMATION:
APPLICANT: Microbial Technics Limited
APPLICANT: Gilbert, Christophe FG
APPLICANT: Gilbert, Christophe FG
APPLICANT: Gilbert, Christophe FG
APPLICANT: Hansbro, Philip M
: TITLE OF INVENTION: Proteins
FILE REFERENCE: PWC/P21129WO
CURRENT APPLICATION NUMBER: US/09/769,787
CURRENT FILING DATE: 1998-03-27
PRIOR FILING DATE: 1998-03-27
PRIOR PRILING DATE: 1998-03-19
NUMBER OF SEQ ID NOS: 388
SOFTWARE: PatentIN Ver. 2.1
SEQ ID NO 322
LENGTH: 1350
EARLIER APPLICATION NUMBER: US 08/386,063
EARLIER FILING DATE: 1995-02-07
EARLIER APPLICATION NUMBER: US 08/276,358
EARLIER FILING DATE: 1994-07-15
NUMBER OF SEQ ID NOS: 123
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 123
LENGTH: 23
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; ORGANISM: Streptococcus pneumoniae
US-09-769-787-322
                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 87.5
Matches 21; Conservative
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US-09-769-787-322
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US-08-961-527-48
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; Patent No. 6703491
; GENERAL INFORMATION:
; APPLICANT: Homburger et al.
; TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster; FILE REFERENCE: File Reference: 7326-094
; CURRENT APPLICATION NUMBER: US/09/270,767
; CURRENT PILING DATE: 1999-03-17
; NUMBER OF SEQ. ID NOS: 62517
; SOFTWARE: PatentIn Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 27314, Application US/09270767
Patent No. = 7073491
Patent No. = 7073491
Patent No. = 7073491

APPLICANT: Homburger et al.

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT PILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
COMPUTER: HP Vectra 486/33

OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/961,527
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: BRICK APPLICATION NUMBER: FILING DATE: APPLICATION NUMBER: APPLICATION NUMBER: APPRING AGENT INPORMATION:
NAME: BYCOKES, A. ANGERE REGISTRATION NUMBER: 36,373
REFERENCE/POCKET NUMBER: 98340PI
TELECOMMUNICATION INFORMATION:
TELECHONE: (301) 309-8512
TELEPRY: (301) 309-8512
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 25002 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
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Pred. No. 22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 80.0%;
Best Local Similarity 87.5%;
Matches 21; Conservative
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RESULT 29
US-09-270-767-23403/C

is Sequence 23403, Application US/09270767

j Patent No. 67034A10N:
j GENERAL INFORMATION:
j TITLE OF INVENTION: NUCLEIC acids and proteins of Drosophila melanogaster
j TITLE OF INVENTION: NUCLEIC acids and proteins of Drosophila melanogaster
j CURRENT APPLICATION NUMBER: US/09/270,767
j CURRENT PILING DATE: 1999-03-17
j NUMBER OF SEQ ID NOS: 62517
j SOFTWARE: Patentin Ver. 2.0
j SEQ ID NO 23403
LENGTH: 785
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Sequence 11695, Application US/09270767

Sequence 11695, Application US/09270767

Sequence 11695, Application US/09270767

SERNERAL NO. 6703491

TITLE OF INVENTION:

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;

FILE REPERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270, 767

CURRENT PILING DATE: 1999-03-17

NOWHER OF SEQ ID NOS: 62517

SOFTHARE: Patentin Ver. 2.0

SEQ ID NO 11695
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                                                                                                                         Query Match 73.3%; Score 17.6; DB 3; Length 785; Best Local Similarity 83.3%; Pred. No. 88; Matches 20; Conservative 0; Mismatches 4; Indels (
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                                      ; TYPE: DNA
; ORGANISM: Drosophila melanogaster
US-09-270-767-8121
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Best Local Similarity 83.3'
Matches 20; Conservative
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US-09-270-767-11695
SEQ ID NO 8121
LENGTH: 785
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